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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/804,979	03/13/2001	Christophe Loisey	60001.0007US01/MS# 154659	9362

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EXAMINER	
SHARON, AYAL I	

ART UNIT	PAPER NUMBER
2123	

DATE MAILED: 05/18/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	09/804,979	LOISEY ET AL.	
	Examiner	Art Unit	
	Ayal I Sharon	2123	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *13 March 2000*.

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-33* is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-33* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☐ All b)☐ Some * c)☐ None of:

1.☐ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date _____.
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ .
5) ☐ Notice of Informal Patent Application (PTO-152)
6) ☐ Other: _____.

DETAILED ACTION

Introduction

1. Claims 1-33 of U.S. Application 09/804,979 filed on 03/13/2001 are presented for examination.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. The prior art used for these rejections is as follows:
4. Helmig, Johannes "Administration via Remote Control (NetMeeting)". Dec 2, 2000. (Henceforth referred to as "**Helmig**").
5. Microsoft Windows NetMeeting Web Site. "Work from home". June 8, 1999. (Henceforth referred to as "**Microsoft**").
6. "NetMeeting for Remote Assistance". Last update: Jan. 1, 2003. (Henceforth referred to as "**NetMeeting for Remote Assistance**").
7. Because both "Helmig" and "Microsoft" teach the same product, Microsoft Windows NetMeeting version 3, examiner is relying upon the June 8, 1999 date of the "Microsoft" reference as the priority date. Examiner finds that

that the "Microsoft" reference provides evidence that the software product referenced therein (NetMeeting 3) was "first installed" or "released" more than one year prior to applicants, filing date. See *In re Epstein*, 32 F.3d 1559, 31 USPQ2d 1817 (Fed. Cir. 1994), and MPEP §2128.

8. Moreover, both the "Microsoft" and the "NetMeeting for Remote Assistance" references are used in the rejections in order to show that certain characteristics not disclosed in the "Helmig" reference are inherent. See MPEP §2131.01

9. The claim rejections are hereby summarized for Applicant's convenience. The detailed rejections follow.

10. Claims 1-5, 9-11, 13-20, 22-24, and 26-31 are rejected under 35 U.S.C. 102(b) as being clearly anticipated by Helmig.

11. In regards to claim 1, Helmig teaches the following limitations:

1. A method of providing computing services in a networked computing environment, comprising the steps of:

providing a computing device a software module from a remote computing device for allowing exchange of data between the computing device and the remote computing device;
(Helmig, especially: p.10 shows the connection process to the remote computing device.)

providing the computing device, through the software module, an emulation of an operating system of the remote computing device;
(Helmig, especially: p.11 shows the emulation of the remote computing device.)

providing the computing device, through the software module, an emulation of the computing device's desktop configuration, the desktop configuration being passed to the computing device from the remote computing device;
(Helmig, especially: p.11 shows the emulation of the remote computing device's desktop configuration.)

monitoring actions at the computing device by the operating system of the remote computing device;

(Helmig, especially: p.11 shows the emulation of the remote computing device. The monitoring of actions in the remote device is inherent in a network emulation. The first two paragraphs of the "Work from Home" article provide support for this argument of inherency.)

in response to the actions at the computing device, updating the emulation of the operating system provided to the computing device; and
(Helmig, especially: p.11 shows the emulation of the remote computing device. The act of "updating" is inherent in a network emulation. The first two paragraphs of the "Work from Home" article provide support for this argument of inherency.)

in response to the actions at the computing device, updating the emulation of the desktop configuration provided to the computing device.
(Helmig, especially: p.11 shows the emulation of the remote computing device. The act of "updating" is inherent in a network emulation. The first two paragraphs of the "Work from Home" article provide support for this argument of inherency.)

12. In regards to claim 2, Helmig teaches the following limitations:

2. The method of Claim 1, prior to the step of providing a computing device a software module from a remote computing device, further comprises the steps of:

connecting a computing device to a remote computing device via a networked computing environment.
(Helmig, especially: p.10 shows the connection process to the remote computing device.)

13. In regards to claim 3, Helmig teaches the following limitations:

3. The method of Claim 2, wherein the step of connecting a computing device to a remote computing device via a networked computing environment, further comprises the steps of:

connecting the computing device to the remote computing device via the Internet.
(Helmig, especially: p.10 shows the connection process to the remote computing device.)

14. In regards to claim 4, Helmig teaches the following limitations:

4. The method of Claim 2, wherein the step of connecting a computing device to a remote computing device via a networked computing environment, further comprises the steps of:

connecting the computing device to the remote computing device via an intranet.
(Helmig, especially: p.10 shows the connection process to the remote computing device.)

15. In regards to claim 5, Helmig teaches the following limitations:

5. The method of Claim 2, wherein the step of connecting a computing device to a remote computing device via a networked computing environment, further comprises the steps of:

authenticating authority for the computing device to connect to the remote computing device.

(Helmig, especially: p.10 shows the connection process to the remote computing device, which includes entering an account name and password.)

16. In regards to claim 9, Helmig teaches the following limitations:

9. The method of Claim 1, wherein the actions at the computing device include keyboard strokes, mouse movements, and mouse clicks.

(Helmig, especially: p.11 shows the emulation of the remote computing device. The use of keyboard strokes, mouse movements, and mouse clicks are inherent in the emulation. The first two paragraphs of the "Work from Home" article, and p.16 of the "NetMeeting for Remote Assistance" document provide support for this argument of inherency.)

17. In regards to claim 10, Helmig teaches the following limitations:

10. The method of Claim 1, further comprising the step of:

providing the computing device use of a software application, the software application being resident on the remote computing device.

(Helmig, especially: p.11 shows the emulation of the remote computing device. Access to software programs on the remote device are inherent in the emulation. The first two paragraphs of the "Work from Home" article teaches "having access to everything on your work computer", and p.16 of the "NetMeeting for Remote Assistance" document teaches that "Once a remote 'expert' has control over the desktop of a 'novice' system, the 'expert' can use [sic] check the system for problems ..." This provides support for this argument of inherency.)

18. In regards to claim 11, Helmig teaches the following limitations:

11.The method of Claim 10, wherein the step of providing the computing device use of a software application, further comprises the steps of:

providing a plurality of software applications subscribed to for use by the computing device; and

(Helmig, especially: p.6 shows a "File Transfer" menu option. Inherently, the files being transferred can be "software applications subscribed to".)

providing changes to the plurality of software applications at the remote computing device.

(Helmig, especially: p.11 shows the emulation of the remote device. Inherently, the actions being emulated can be software installations. p.16 of the "NetMeeting for Remote Assistance" document provides support for this argument of inherency.)

19. In regards to claim 13, Helmig teaches the following limitations:

13. The method of Claim 1, further comprising the steps of:

receiving data from the computing device;
(Helmig, especially: p.11 shows the emulation of the remote computing device. p.6 shows a "File Transfer" menu option.)

storing the data received from the computing device on the remote computing device;
(Helmig, especially: p.11 shows the emulation of the remote computing device. p.6 shows a "File Transfer" menu option.)

storing authentication information and the desktop configuration on the remote computing device; and
(Helmig, especially: p.10 shows the connection process to the remote computing device, which includes entering an account name and password.)

retrieving the data from the remote computing device for use by the computing device.
(Helmig, especially: p.11 shows the emulation of the remote computing device. p.6 shows a "File Transfer" menu option.)

20. In regards to claim 14, Helmig teaches the following limitations:

14. The method of Claim 13, wherein the remote computing device includes a file server, and wherein the steps of storing the data, storing authentication information, and storing the desktop configuration, further include:

storing the data on the file server;
(Helmig, especially: p.11 shows the emulation of the remote computing device. p.6 shows a "File Transfer" menu option.)

storing authentication information and the desktop configuration on the file server; and
(Helmig, especially: p.10 shows the connection process to the remote computing device, which includes entering an account name and password.)

securing the data received from the computing device from Unauthorized use by a second computing device.
(Helmig, especially: p.10 shows the connection process to the remote computing device, which includes entering an account name and password. It is inherent that upon receiving an authenticated account

name or password, that the remote terminal will send some sort of acknowledgement signal, as well as the information used to create the emulation shown on p.11)

21. In regards to claim 15, Helmig teaches the following limitations:

15. The method of Claim 1, further comprising the steps of:

providing electronic mail services to the computing device from the remote computing device;

(Helmig, especially: the window in p.6. The menu shows a "Chat" option, and a "Whiteboard" option, which are forms of electronic messaging.)

22. In regards to claim 16, Helmig teaches the following limitations:

16. The method of Claim 1, wherein the remote computing device includes a domain controller and wherein the domain controller performs the steps of:

managing access to the remote computing device; and

(Helmig, especially: p.10 shows the connection process to the remote computing device, which includes entering an account name and password. It is inherent that upon receiving an authenticated account name or password, that the remote terminal will send some sort of acknowledgement signal, as well as the information used to create the emulation shown on p.11)

securing the remote computing device from unauthorized access.

(Helmig, especially: p.10 shows the connection process to the remote computing device, which includes entering an account name and password. It is inherent that upon receiving an authenticated account name or password, that the remote terminal will send some sort of acknowledgement signal, as well as the information used to create the emulation shown on p.11)

23. In regards to claim 17, Helmig teaches the following limitations:

17. The method of Claim 1, wherein the remote computing device includes a plurality of computing devices, and wherein the method of Claim 1 further comprises the steps of:

determining whether the computing device has previously been connected to one of the plurality of remote computing devices; and

(Helmig, especially: The "Place a Call" window, on p.10)

if so, then the step of connecting a computing device to a remote computing device includes reconnecting the computing device to the one of the plurality of remote computing devices.

(Helmig, especially: The "Place a Call" window, on p.10)

24. In regards to claim 18, Helmig teaches the following limitations:

18. A method of providing computing services in a networked computing environment, comprising the steps of:

connecting a computing device to a remote terminal server via a networked computing environment;

(Helmig, especially: p.10 shows the connection process to the remote computing device.)

authenticating authority for the computing device to connect to the remote terminal server;

(Helmig, especially: p.10 shows the connection process to the remote computing device, which includes entering an account name and password.)

providing the computing device a software module from the terminal server for allowing exchange of data between the computing device and the remote terminal Server;

(Helmig, especially: p.10 shows the connection process to the remote computing device, which includes entering an account name and password. It is inherent that upon receiving an authenticated account name or password, that the remote terminal will send some sort of acknowledgement signal, as well as the information used to create the emulation shown on p.11)

providing the computing device, through the software module, an emulation of an operating system of the remote terminal server;

(Helmig, especially: p.11 shows the emulation of the remote computing device.)

providing the computing device, through the software module, an emulation of the computing device's desktop configuration, the desktop configuration being passed to the computing device from the remote terminal server;

(Helmig, especially: p.11 shows the emulation of the remote computing device's desktop configuration.)

monitoring actions at the computing device by the operating system of the remote terminal server;

(Helmig, especially: p.11 shows the emulation of the remote computing device. The monitoring of actions in the remote device is inherent in a network emulation. The first two paragraphs of the "Work from Home" article provide support for this argument of inherency.)

in response to the actions at the computing device, updating the emulation of the operating system provided to the computing device;

(Helmig, especially: p.11 shows the emulation of the remote computing device. The act of "updating" is inherent in a network emulation. The first two paragraphs of the "Work from Home" article provide support for this argument of inherency.)

in response to the actions at the computing device, updating the emulation of the

desktop configuration provided to the computing device;

(Helmig, especially: p.11 shows the emulation of the remote computing device. The act of "updating" is inherent in a network emulation. The first two paragraphs of the "Work from Home" article provide support for this argument of inherency.)

providing the computing device use of a software application, the software application being resident on the remote terminal server; and

(Helmig, especially: p.11 shows the emulation of the remote computing device. The act of displaying remotely installed software is inherent in a network emulation. The first two paragraphs of the "Work from Home" article provide support for this argument of inherency.)

receiving data at the computing device, and storing the data received at the computing device on the remote terminal server.

(Helmig, especially: p.11 shows the emulation of the remote computing device. p.6 shows a "File Transfer" menu option.)

25. In regards to claim 19, Helmig teaches the following limitations:

19. The method of Claim 18, wherein the step of providing the computing device use of a software application, further comprises the steps of:

providing a plurality of software applications subscribed to for use by the computing device; and

(Helmig, especially: p.6 shows a "File Transfer" menu option. Inherently, the files being transferred can be "software applications subscribed to".)

providing changes to the plurality of software applications at the remote terminal server.

(Helmig, especially: p.11 shows the emulation of the remote device. Inherently, the actions being emulated can be software installations. p.16 of the "NetMeeting for Remote Assistance" document provides support for this argument of inherency.)

26. In regards to claim 20, Helmig teaches the following limitations:

20. A computer readable medium having stored thereon computer-executable instructions which when executed by a computer, perform the steps of:

providing a computing device a software module from a remote computing device for allowing exchange of data between the computing device and the remote computing device;

(Helmig, especially: p.10 shows the connection process to the remote computing device, which includes entering an account name and password. It is inherent that upon receiving an authenticated account name or password, that the remote terminal will send some sort of

acknowledgement signal, as well as the information used to create the emulation shown on p.11)

providing the computing device, through the software module, an emulation of an operating system of the remote computing device;

(Helmig, especially: p.11 shows the emulation of the remote computing device.)

providing the computing device, through the software module, an emulation of the computing device's desktop configuration, the desktop configuration being passed to the computing device from the remote computing device;

(Helmig, especially: p.11 shows the emulation of the remote computing device's desktop configuration.)

monitoring actions at the computing device by the operating system of the remote computing device;

(Helmig, especially: p.11 shows the emulation of the remote computing device. The monitoring of actions in the remote device is inherent in a network emulation. The first two paragraphs of the "Work from Home" article provide support for this argument of inherency.)

in response to the actions at the computing device, updating the emulation of the operating system provided to the computing device; and

(Helmig, especially: p.11 shows the emulation of the remote computing device. The act of "updating" is inherent in a network emulation. The first two paragraphs of the "Work from Home" article provide support for this argument of inherency.)

in response to the actions at the computing device, updating the emulation of the desktop configuration provided to the computing device.

(Helmig, especially: p.11 shows the emulation of the remote computing device. The act of "updating" is inherent in a network emulation. The first two paragraphs of the "Work from Home" article provide support for this argument of inherency.)

27. In regards to claim 22, Helmig teaches the following limitations:

22. A computer readable medium of Claim 20 having stored thereon computer-executable instructions which when executed by a computer, further perform the steps of:

providing the computing device use of a software application, the software application being resident on the remote computing device; and

(Helmig, especially: p.6 shows a "File Transfer" menu option. Inherently, the files being transferred can be "software applications subscribed to".)

providing changes to the software application at the remote computing device.

(Helmig, especially: p.11 shows the emulation of the remote device. Inherently, the actions being emulated can be software installations. p.16 of the "NetMeeting for Remote Assistance" document provides support for this argument of inherency.)

28. In regards to claim 23, Helmig teaches the following limitations:

23. The computer readable medium of Claim 20 having stored thereon computer-executable instructions which when executed by a computer, further perform the steps of:

receiving data from the computing device;
(Helmig, especially: p.6 shows a "File Transfer" menu option. Inherently, the files being transferred can be "data".)

storing the data received from the computing device at the remote computing device;
(Helmig, especially: p.11 shows the emulation screen, title "NTSRVTEST's desktop – controlled by Johannes Helmig". It is inherent that files that have been transferred to the remote device can also be stored there.)

storing authentication information and the desktop configuration at the remote computing device; and
(Helmig, especially: p.10 shows the connection process to the remote computing device, which includes entering an account name and password.)

retrieving the data from the remote computing device for use by the computing device.
(Helmig, especially: p.6 shows a "File Transfer" menu option. Inherently, the files being transferred can be "data".)

29. In regards to claim 24, Helmig teaches the following limitations:

24. A propagated signal on which is carried computer-executable instructions which when executed by a computer, perform the steps of:

providing a computing device a software module from a remote computing device for allowing exchange of data between the computing device and the remote computing device;
(Helmig, especially: p.10 shows the connection process to the remote computing device, which includes entering an account name and password. It is inherent that upon receiving an authenticated account name or password, that the remote terminal will send some sort of acknowledgement signal, as well as the information used to create the emulation shown on p.11)

providing the computing device, through the software module, an emulation of

an operating system of the remote computing device;

(Helmig, especially: p.11 shows the emulation of the remote computing device.)

providing the computing device, through the software module, an emulation of the computing device's desktop configuration, the desktop configuration being passed to the computing device from the remote computing device;

(Helmig, especially: p.11 shows the emulation of the remote computing device's desktop configuration.)

monitoring actions at the computing device by the operating system of the remote computing device;

(Helmig, especially: p.11 shows the emulation of the remote computing device. The monitoring of actions in the remote device is inherent in a network emulation. The first two paragraphs of the "Work from Home" article provide support for this argument of inherency.)

in response to the actions at the computing device, updating the emulation of the operating system provided to the computing device; and

(Helmig, especially: p.11 shows the emulation of the remote computing device. The act of "updating" is inherent in a network emulation. The first two paragraphs of the "Work from Home" article provide support for this argument of inherency.)

in response to the actions at the computing device, updating the emulation of the desktop configuration provided to the computing device.

(Helmig, especially: p.11 shows the emulation of the remote computing device. The act of "updating" is inherent in a network emulation. The first two paragraphs of the "Work from Home" article provide support for this argument of inherency.)

30. In regards to claim 26, Helmig teaches the following limitations:

26. The propagated signal of Claim 24 carrying thereon computer-executable instructions which when executed by a computer, further perform the steps of:

providing the computing device use of a software application, the software application being resident on the remote computing device; and

(Helmig, especially: p.6 shows a "File Transfer" menu option. Inherently, the files being transferred can be "software applications subscribed to".)

providing changes to the software application at the remote computing device.

(Helmig, especially: p.11 shows the emulation of the remote device. Inherently, the actions being emulated can be software installations. p.16 of the "NetMeeting for Remote Assistance" document provides support for this argument of inherency.)

31. In regards to claim 27, Helmig teaches the following limitations:

27. The propagated signal of Claim 24 carrying thereon computer-executable instructions which when executed by a computer, further perform the steps of:

receiving data from the computing device;

(Helmig, especially: p.6 shows a "File Transfer" menu option. Inherently, the files being transferred can be "data".)

storing the data received from the computing device at the remote computing device

(Helmig, especially: p.11 shows the emulation screen, title "NTSRVTEST's desktop – controlled by Johannes Helmig". It is inherent that files that have been transferred to the remote device can also be stored there.)

storing authentication information and the desktop configuration at the remote computing device; and

(Helmig, especially: p.10 shows the connection process to the remote computing device, which includes entering an account name and password.)

retrieving the data from the remote computing device for use by the computing device.

(Helmig, especially: p.6 shows a "File Transfer" menu option. Inherently, the files being transferred can be "data".)

32. In regards to claim 28, Helmig teaches the following limitations:

28. A system for providing computing services in a networked computing environment, comprising:

a domain controller operative to authenticate authority for a computing device to connect to a remote terminal server via a networked computing environment;

(Helmig, especially: p.10 shows the connection process to the remote computing device, which includes entering an account name and password.)

a remote terminal server operative to connect to a computing device;

(Helmig, especially: p.10 shows the connection process to the remote computing device.)

to provide the computing device a software module for allowing exchange of data between the computing device and the remote terminal server;

(Helmig, especially: p.10 shows the connection process to the remote computing device, which includes entering an account name and password. It is inherent that upon receiving an authenticated account name or password, that the remote terminal will send some sort of acknowledgement signal, as well as the information used to create the emulation shown on p.11)

to provide the computing device, through the software module, an emulation of an operating system of the remote terminal server;

(Helmig, especially: p.11 shows the emulation of the remote computing device.)

to provide the computing device, through the software module, an emulation of the computing device's desktop configuration, the desktop configuration being passed to the computing device from the remote terminal server;

(Helmig, especially: p.11 shows the emulation of the remote computing device's desktop configuration.)

to monitor actions at the computing device by the operating system of the remote terminal server;

(Helmig, especially: p.11 shows the emulation of the remote computing device. The monitoring of actions in the remote device is inherent in a network emulation. The first two paragraphs of the "Work from Home" article provide support for this argument of inherency.)

to update the emulation of the operating system provided to the computing device in response to the actions at the computing device;

(Helmig, especially: p.11 shows the emulation of the remote computing device. The act of "updating" is inherent in a network emulation. The first two paragraphs of the "Work from Home" article provide support for this argument of inherency.)

to update the emulation of the desktop configuration provided to the computing device in response to the actions at the computing device;

(Helmig, especially: p.11 shows the emulation of the remote computing device. The act of "updating" is inherent in a network emulation. The first two paragraphs of the "Work from Home" article provide support for this argument of inherency.)

to provide the computing device use of a software application, the software application being resident on the remote terminal server; and a file server operative

(Helmig, especially: p.11 shows the emulation of the remote computing device. The act of displaying remotely installed software is inherent in a network emulation. The first two paragraphs of the "Work from Home" article provide support for this argument of inherency.)

to receive data from the computing device, and

to store the data received at the computing device at the remote terminal server.

(Helmig, especially: p.11 shows the emulation of the remote computing device. p.1 refers to "File Transfer capabilities".)

33. In regards to claim 29, Helmig teaches the following limitations:

29. The system of Claim 28, wherein the terminal server is further operative:

to provide a plurality of software applications subscribed to for use by the computing device; and

(Helmig, especially: p.6 shows a "File Transfer" menu option. Inherently, the files being transferred can be "software applications subscribed to".)

to provide changes to the plurality of software applications at the remote terminal server.

(Helmig, especially: p.11 shows the emulation of the remote device. Inherently, the actions being emulated can be software installations. p.16 of the "NetMeeting for Remote Assistance" document provides support for this argument of inherency.)

34. In regards to claim 30, Helmig teaches the following limitations:

30. The system of Claim 28, whereby the domain controller is further operative to manage access to the terminal server by the computing device; and

(Helmig, especially: p.10 shows the connection process to the remote computing device, which includes entering an account name and password. It is inherent that upon receiving an authenticated account name or password, that the remote terminal will send some sort of acknowledgement signal, as well as the information used to create the emulation shown on p.11)

to secure the terminal server from unauthorized access.

(Helmig, especially: p.10 shows the connection process to the remote computing device, which includes entering an account name and password. It is inherent that upon receiving an authenticated account name or password, that the remote terminal will send some sort of acknowledgement signal, as well as the information used to create the emulation shown on p.11)

35. In regards to claim 31, Helmig teaches the following limitations:

31. The system of Claim 28, wherein the remote terminal server includes a plurality of terminal servers, and whereby the domain controller is further operative

to determine whether the computing device has previously been connected to one of the plurality of terminal servers; and

(Helmig, especially: The "Place a Call" window, on p.10)

if so, then to reconnect the computing device to the one of the plurality of terminal servers.

(Helmig, especially: The "Place a Call" window, on p.10)

Claim Rejections - 35 USC § 103

36. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

37. The prior art used for these rejections is as follows:

38. Helmig, Johannes "Administration via Remote Control (NetMeeting)". Dec 2, 2000. (Henceforth referred to as "**Helmig**").

39. "Chapter 6: Using NetMeeting on Intranet Web Pages". Last Updated: January 3, 2000. (Henceforth referred to as "**NetMeeting Web Pages**").

40. The claim rejections are hereby summarized for Applicant's convenience. The detailed rejections follow.

41. Claims 6-8, 12, 21, 25, and 32-33 rejected under 35 U.S.C. 103(a) as being unpatentable over Helmig in view of NetMeeting Web Pages.

42. In regards to claim 6, Helmig does not expressly teach the following limitation:

> 6. The method of Claim 1, wherein the step of providing a computing device a software module from a remote computing device, further comprises the steps of:
>
> providing the computing device a web page from the remote computing device, the web page having the software module embedded therein.

"NetMeeting Web Pages", on the other hand, does expressly teach these limitations. (See especially: pp.6-7, "To add the NetMeeting ActiveX control to a Web Page".)

It would have been obvious for one of ordinary skill in the art at the time the invention was made to modify the teachings of Helmig with those of "NetMeeting Web Pages", because both are teaching features of the same product.

43. In regards to claim 7, Helmig does not expressly teach the following limitation:

> 7. The method of Claim 6, wherein the remote computing device includes a web server, and wherein the step of providing the computing device a web page includes providing the web page through the web server.

"NetMeeting Web Pages", on the other hand, does expressly teach these limitations. (See especially: pp.5-6, "Installing the NetMeeting SDK".)

It would have been obvious for one of ordinary skill in the art at the time the invention was made to modify the teachings of Helmig with those of "NetMeeting Web Pages", because both are teaching features of the same product.

44. In regards to claim 8, Helmig does not expressly teach the following limitation:

> 8. The method of Claim 6, wherein the software module is an ActiveX control.

"NetMeeting Web Pages", on the other hand, does expressly teach these limitations. (See especially: pp.6-7, "To add the NetMeeting ActiveX control to a Web Page".)

It would have been obvious for one of ordinary skill in the art at the time the invention was made to modify the teachings of Helmig with those

of "NetMeeting Web Pages", because both are teaching features of the same product.

45. In regards to claim 12, Helmig does not expressly teach the following limitation:

12. The method of Claim 11, wherein the remote computing device includes a terminal server, and wherein the step of providing the computing device use of a software application, further comprises the step of providing the software module and the software application through the terminal server.

"NetMeeting Web Pages", on the other hand, does expressly teach these limitations. (See especially: pp.5-6, "Installing the NetMeeting SDK".)

It would have been obvious for one of ordinary skill in the art at the time the invention was made to modify the teachings of Helmig with those of "NetMeeting Web Pages", because both are teaching features of the same product.

46. In regards to claim 21, Helmig teaches the following limitations:

21. The computer readable medium of Claim 20 having stored thereon computer-executable instructions which when executed by a computer, prior to the step of providing a computing device a software module from a remote computing device for allowing exchange of data between the computing device and the remote computing device, further perform the steps of:

connecting a computing device to a remote computing device via a networked computing environment;

(Helmig, especially: p.10 shows the connection process to the remote computing device.)

authenticating authority for the computing device to connect to the remote computing device; and

(Helmig, especially: p.10 shows the connection process to the remote computing device, which includes entering an account name and password.)

However, Helmig does not expressly teach the following limitation:

providing the computing device a web page from the remote computing device, the web page having the software module embedded therein, whereby the software module is an ActiveX control.

"NetMeeting Web Pages", on the other hand, does expressly teach these limitations. (See especially: pp.6-7, "To add the NetMeeting ActiveX control to a Web Page".)

It would have been obvious for one of ordinary skill in the art at the time the invention was made to modify the teachings of Helmig with those of "NetMeeting Web Pages", because both are teaching features of the same product.

47. In regards to claim 25, Helmig teaches the following limitations:

25. The propagated signal of Claim 24 carrying thereon computer-executable instructions which when executed by a computer, prior to the step of providing a computing device a software module from a remote computing device for allowing exchange of data between the computing device and the remote computing device, further perform the steps of:

connecting a computing device to a remote computing device via a networked computing environment;

(Helmig, especially: p.10 shows the connection process to the remote computing device.)

authenticating authority for the computing device to connect to the remote computing device; and

(Helmig, especially: p.10 shows the connection process to the remote computing device, which includes entering an account name and password.)

However, Helmig does not expressly teach the following limitation:

providing the computing device a web page from the remote computing device, the web page having the software module embedded therein, whereby the software module is an ActiveX control.

"NetMeeting Web Pages", on the other hand, does expressly teach these limitations. (See especially: pp.6-7, "To add the NetMeeting ActiveX control to a Web Page".)

It would have been obvious for one of ordinary skill in the art at the time the invention was made to modify the teachings of Helmig with those of "NetMeeting Web Pages", because both are teaching features of the same product.

48. In regards to claim 32, Helmig does not expressly teach the following limitation:

32. The system of Claim 28, further comprising,
a web server operative

to provide a web page, through the terminal server, to the computing device, the web page containing the software module embedded therein.

"NetMeeting Web Pages", on the other hand, does expressly teach these limitations. (See especially: pp.6-7, "To add the NetMeeting ActiveX control to a Web Page".)

It would have been obvious for one of ordinary skill in the art at the time the invention was made to modify the teachings of Helmig with those of "NetMeeting Web Pages", because both are teaching features of the same product.

49. In regards to claim 33, Helmig does not expressly teach the following limitation:

33. The system of Claim 32, whereby the software module is an ActiveX control.

"NetMeeting Web Pages", on the other hand, does expressly teach these limitations. (See especially: pp.6-7, "To add the NetMeeting ActiveX control to a Web Page".)

It would have been obvious for one of ordinary skill in the art at the time the invention was made to modify the teachings of Helmig with those of "NetMeeting Web Pages", because both are teaching features of the same product.

Correspondence Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ayal I. Sharon whose telephone number is (703) 306-0297. The examiner can normally be reached on Monday through Thursday, and the first Friday of a biweek, 8:30 am – 5:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kevin Teska can be reached on (703) 305-9704. Any response to this office action should be mailed to:

Director of Patents and Trademarks
Washington, DC 20231

Hand-delivered responses should be brought to the following office:

4th floor receptionist's office
Crystal Park 2
2121 Crystal Drive
Arlington, VA 22202

The fax phone number is: (703) 872-9306

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist, whose telephone number is:

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Ayal I. Sharon

Art Unit 2123

May 14, 2004